

19971009.ba v01_n722.bam.971009

>From ???@??? Thu Oct 09 22:56:53 1997
Message-Id: <199710092315.SAA17997@sco.theporch.com>
Date: Thu, 9 Oct 1997 18:15:35 CDT
Subject: BOATANCHORS digest 1722

BOATANCHORS Digest 1722

Topics covered in this issue include:

- 1) WTD: German CRT's
by Sandy W5TVW <ebjr@worldnet.att.net>
- 2) Re: Need Phoenix Crystal address
by john moyle <john@moyle.demon.co.uk>
- 3) RE: Mil number for R-390A?
by Dennis McLaughlin <dennism2@ix.netcom.com>
- 4) NSN's/FSN's
by Mike Warren <m_warren@compuserve.com>
- 5) WTD: Product Detector for SP-600
by RSOLOMON@systems.TEXTRON.COM
- 6) Mil Dummy Load Specs?
by jeffa@ix.netcom.com (Jeff Anderson)
- 7) Re: Looking for small transformer
by Richard Post <post@ouvaxa.cats.ohiou.edu>
- 8) power supply needed
by leeboo@ct.net (Leon Wiltsey)
- 9) Ocean Hopper on E-Bay
by "John Goller" <k9uwa@cris.com>
- 10) re: Looking for small transformer
by "Ray Perrin" <ray@pwgsc.gc.ca>
- 11) FS or FT
by laffitte@prtc.net (laffitte)
- 12) Re small transformers
by philip mccooy <dgnova@erols.com>
- 13) RCA 45 tube at Ebay
by bratcher@worldnet.att.net (Robert M. Bratcher Jr.)
- 14) Replacing old capacitors with higher values???
by Michael Crestohl <mc@shore.net>
- 15) RCA 45 tube at Ebay
by "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
- 16) 6L6G tube at Ebay
by "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
- 17) New R-390 mailing list.....
by Michael Crestohl <mc@shore.net>
- 18) F/S/T Hallicrafters S-38-(), list free
by MNHopkins <MNHopkins@aol.com>
- 19) Re: Replacing old capacitors with higher values???

- by "Mike B. Feher" <n4fs@monmouth.com>
- 20) Re: Replacing old capacitors with higher values???
- by bdhall@ghg.net (Benjamin D. Hall)
- 21) Re: BA Haunts in Calgary?
- by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 22) Re: Replacing old capacitors with higher values???
- by John Shriver <jas@shiva.com>
- 23) Re: Replacing old capacitors with higher values???
- by Scott Robinson <spr@earthlink.net>
- 24) WTB Hammarlund HQ180A
- by Stevenn@ix.netcom.com
- 25) Re: 2nd call for contract data and National manuals
- by William Donzelli <william@ans.net>
- 26) Best all around BA SSB Rcvr/Xmtr
- by w2ec@VNET.IBM.COM
- 27) Sliding-Coils & National
- by don merz <71333.144@compuserve.com>
- 28) Re: WTD: Product Detector for SP-600
- by Ken Gordon <keng@uidaho.edu>
- 29) Re: power supply needed
- by Ken Gordon <keng@uidaho.edu>

Date: Thu, 9 Oct 1997 04:36:58 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: BASWAPLIST@FOOTHILL.NET, boatanchors@theporch.com, glowbugs@www.atl.org
Subject: WTD: German CRT's
Message-ID: <19971009043650.AAC18595@LOCALNAME>

Looking for a couple of D5-100W German CRT tubes. These were used
in the NLS "Mini-scopes"

Have for trade some re-boxed but unused RCA 1EP11 CRT's.

Any out there?

73,

E. V. Sandy Blaize, W5TVW
"Boat Anchors collected, restored, repaired, traded and used!"
417 Ridgewood Drive
Metairie, LA., 70001

Date: Thu, 9 Oct 1997 06:33:29 +0100
From: john moyle <john@moyle.demon.co.uk>

To: kim herron <kherron@voyager.net>
Cc: boatanchors@theporch.com
Subject: Re: Need Phoenix Crystal address
Message-ID: <1mwNfCApyGP0Ew1T@moyle.demon.co.uk>

In message <199710090121.VAA01211@vixa.voyager.net>, kim herron
<kherron@voyager.net> writes

>Hi Gang,

>

> Cna someone send me the e-mail address for Phoenix Crystal. I've lost it.

>Pardon the bandwidth. thanks for reading

>

>Kim Herron

>kherron@voyager.net or kherron@vixa.voyager.net

>1-616-677-3706

>

PHOENEX CRYSTALS

<phxtal@nava-link.net>

73

.....
Dr John Moyle MB, BS, CEng, MInstMC, DPallMed, FRCA G1AWJ & 2E0AIQ
Consultant Anaesthetist, Chartered Engineer G-QRP 1542
35, Midland Road, Olney, Bucks, MK46 4BL,UK Fists 1195
<john@moyle.demon.co.uk>
Home 01234 241698 Hospital 01908 660033
Cellphone 0836 244584 Hospice 01908 663636

Date: Thu, 9 Oct 1997 07:30:17 -0400
From: Dennis McLaughlin <dennism2@ix.netcom.com>
To: "'ceustaqu@polymail.cpunix.calpoly.edu'"
 <ceustaqu@polymail.cpunix.calpoly.edu>
Cc: "'Boatanchors Message Post'" <boatanchors@theporch.com>
Subject: RE: Mil number for R-390A?
Message-ID: <01BCD485.32FFE020@akr-oh12-25.ix.netcom.com>

Cal

The R390 mil number is MIL-R-13947B(7)
Date 2 June 1966.

FSC 5820

Dennis

From: Cal J. Eustaquio[SMTP:ceustaqu@polymail.cpunix.calpoly.edu]

Sent: Monday, October 06, 1997 9:35 PM
To: Old Tube Radios
Subject: Mil number for R-390A?

Does anyone know the Mil number for the R-390A (not contract #). I have a resource that will give me more documentation on the R-390A provided I have the mil number ready. Let me know. Cal.

Date: Thu, 9 Oct 1997 07:54:16 -0400
From: Mike Warren <m_warren@compuserve.com>
To: Tom Norris <badger@telalink.net>
Cc: ba-list <boatanchors@sco.theporch.com>
Subject: NSN's/FSN's
Message-ID: <199710090754_MC2-2355-455A@compuserve.com>

Message text written by INTERNET:boatanchors@theporch.com

>Date: Tue, 07 Oct 1997 22:57:18 -0500
From: Tom Norris <badger@telalink.net>
To: boatanchors@theporch.com
Subject: Of radios, FSN's and NSN's
=

I remember a mention a few years ago that dropping the -00- was supposed to give the FSN. It ain't so, I guess, since there are =

5820-01-xxx-xxxx listings as well. It may work with some numbers, though, dunno, dont have a list of FSN's.
<

Hi Tom,

Many years ago (1960's, 1970's) when I was in the Navy, the stock number structure was just xxxx-xxx-xxxx. The first four digits designated the Federal Supply Classification (FSC) -- e.g. 5960 was tubes, 5950 was transformers, etc. The rest of the number did not seem to have any 'intelligence' as I recall. I don't know when they added the two extra digits, but I always thought that the "old" numbers were converted to "new" numbers by adding "00" after the FSC.

73,

Mike Warren - W5MAZ (in MN)

++++++
+ Looking for a Hallicrafters HT-31 Amp. +
++++++

Date: Thu, 9 Oct 1997 08:44:50 -0400
From: RSOLOMON@systems.TEXTRON.COM
To: " " (052)boatanchors(a)sco.theporch.com"
<boatanchors@sco.theporch.com>
Subject: WTD: Product Detector for SP-600
Message-ID: <0034100001218286000002L062*@MHS>

Looking to add a product detector to my SP-600-JX17, why I
don't now, but it seems the thing to do !!
Would rather not go the HC-10 or CV-(whatever) route, too
big and heavy. Looking for a plug-in module, most likely made
for some other radio, that I can modify to use on the SP.
Anyone have one out there, or ideas on building one ??

Tnx, Dick, W1KSZ

Date: Thu, 9 Oct 1997 07:59:16 -0500 (CDT)
From: jeffa@ix.netcom.com (Jeff Anderson)
To: boatanchors@theporch.com
Subject: Mil Dummy Load Specs?
Message-ID: <199710091259.HAA27243@dfw-ix3.ix.netcom.com>

I recently picked up a military dummy load, and was wondering if anyone
knows its specifications (power rating, frequency range...). Its tag
says:

Dummy Load Electrical
DA-437/GRC-103 (V)
NSN 5985-00-089-8990

It's rectangular with nice fat cooling fins. Measures 50 ohms with an
ohmmeter, and has a female 'C' connector at one end.

Thanks for any help!

- Jeff, WA6AHL

Date: Thu, 9 Oct 1997 09:58:00 -0400
From: Richard Post <post@ouvaxa.cats.ohiou.edu>
To: boatanchors@theporch.com
Cc: badger@telalink.net
Subject: Re: Looking for small transformer
Message-ID: <v03007801b0628b7c025c@[132.235.51.126]>

>I am looking for a 150 volt or so center tapped transformer, smallish --
>max current needed is only around 25 ma. A non-tapped 75 volt will
>work as well.
>
>All I have seen in AES, Fair, etc have been higher current (hundreds of
>mils) and it would just be a waste to use one of those, besides am looking
>for as small as possible to build a psu for an older battery radio.
>

Tom,

Have done this with several old "Farm" sets (they typically need 90 volts B+ and 1.5 volts "A", assuming the filaments are in parallel). I use surplus 6 and 12 volt transformers from solid state excess. Just use a pair back to back. A 6 volt transformer secondary fed into a 12 volt transformer yields around 60 volts AC depending upon load. Rectify and filter the result and add an appropriate resistor to get the B+ where you want it. I also rectify and filter the 6 volts for the "A" side. Instead of a resistor, I use a pilot light in series to drop the result down to 1.5 volts. You can use a variac to determine if your pilot light needs some series resistance to bring the result to just a bit below 1.5 volts.

If you are feeding some 01A's in a 1920's battery set, you need a heavier 6 volt transformer but can use a common 5 volt regulator to supply the "A" side.

The typical B+ requirement for a farm set is around the 10 to 20 milliamp range. The typical "A" requirement is in the 200 to 250 milliamp range.

Farm sets without an AC powerpack are generally sold rather cheaply at antique radio auctions. A little bit of home-brew can really add value. There is plenty of room inside of these sets in the B battery location..

73 de Rich KB8TAD

Boatanchpor Pix website
<http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.html>
mirror site
<http://www.qsl.net/kb8tad/>

visit the Museum of Radio and Technology website
<http://www.library.ohiou.edu/MuseumR&T/museum.htm>

Date: Thu, 9 Oct 1997 11:26:50 -0400 (EDT)
From: leeboo@ct.net (Leon Wiltsey)
To: BOATANCHORS@theporch.com
Subject: power supply needed
Message-ID: <199710091526.LAA01864@blue.ct.net>

Hi Gang
just bought a Heath sb100 and found out it needs an external
power supply.. Does anyone have one to sell or a home brew
one that will do the job. If I can not find one, I guess I will have to
build one and power trans that will handle a transceiver that puts
out 170 watts will be difficult(let alone costly) tnx fellows. 73 73
pse email me if you can help. or have one to sell.

Thank the good LORD for all that you have!!!

67yr old semi disabled senior trying to get code speed to 13wpm
(stroke got my eyesight, balance and coordination) SO ONLY BA'S NO SOLID STATE

Leon (lee) Wiltsey 4600 Lake Haven blvd Sebring fl. 33872 KF4RCL TECK+

Date: Thu, 9 Oct 1997 14:33:15 +0000
From: "John Goller" <k9uwa@cris.com>
To: boatanchors@sco.theporch.com
Subject: Ocean Hopper on E-Bay
Message-ID: <199710091425.KAA24640@cliff.concentric.net>

OK who was looking for a Knight Kit Ocean hopper?? There is one up
on the Auction at E-Bay..currently it is at \$50 bid..

[http://komodo.ebay2.com/aw-cgi/ItemISAPI.dll?MfcISAPICommand=ViewItem&
tem=923177](http://komodo.ebay2.com/aw-cgi/ItemISAPI.dll?MfcISAPICommand=ViewItem&tem=923177)

good luck..de John K9UWA
John K9UWA

k9uwa@cris.com

Date: Thu, 9 Oct 97 10:33:05 EDT
From: "Ray Perrin" <ray@pwgsc.gc.ca>
To: <boatanchors@theporch.com>
Subject: re: Looking for small transformer
Message-ID: <vines.+lw7+UgCDoA@ott24.ncr.pwgsc.gc.ca>

Tom,

AES sells a small power supply kit for old battery radios. It costs approx \$50. The parts are mounted on a wood breadboard and it gives a wide range of voltages. On the recommendation of a friend, I purchased one for my old Atwater Kent 6 tube TRF set. Works great!

73,

Ray Perrin, VE3FN
ray@pwgsc.gc.ca

Date: Thu, 09 Oct 1997 11:04:23 -0300
From: laffitte@prtc.net (laffitte)
To: boatanchors@theporch.com
Subject: FS or FT
Message-ID: <343CE455.10FC@prtc.net>

Hi Gang:

I have an RCA VLF 8503 receiver that I would like to sell or trade. This is the precursor of the 8510. It uses four tubes in a super-reg format and requires an external A,B,C PS. The set is complete except for the cabinet. It has an access panel on the front for changing tubes with the RCA sign on it. A couple of the coils need a more professional repair although they show continuity. It also needs a good cleanup. I have used it before with a ps and it works but it has been unused for sometime. With many other projects at hand, I doubt that I will have time for it and I need the space. I would like \$25.00 for it plus shipping or will trade for any interesting BA item.

TNX and 73s to all
Guido E. Santacana KP4FAR

Date: Thu, 09 Oct 97 12:14:23 -0700
From: philip mccoey <dgnova@erols.com>
To: boatanchors@sco.theporch.com
Subject: Re small transformers
Message-ID: <199710091625.MAA07901@smtp3.erols.com>

I have found one of fair Radios transformers to be very good for small power supplys, providing about 150 volts at 30 ma when run from 120 volts. The transformer is

375 VCT 50 MA with a 230VAC primary.

I have used this transformer to run a WS-18

Philip McCoy dgnova@erols.com

Date: Thu, 09 Oct 1997 16:22:35 GMT
From: bratcher@worldnet.att.net (Robert M. Bratcher Jr.)
To: boatanchors@theporch.com, boatanchors@listserv.tempe.gov,
boatanchors@theporch.com, boatanchors@listserv.tempe.gov
Subject: RCA 45 tube at Ebay
Message-ID: <34420327.23577662@NETNEWS.WORLDDNET.ATT.NET>

I just put a tube up for sale.
The URL is
<http://komodo.ebay2.com/aw-cgi/eBayISAPI.dll?ViewItem&item=956981>
Anybody want it just make a bid.
The minimum is only \$10

bratcher@worldnet.att.net
Record collector, 8mm, super 8, 16 and 35mm Film collector.
Looking for prerecorded reel to reel tape albums.
I like old radio's too.
Collins, Hallicrafters, National & Hammarlund are my Favorites!

Date: Thu, 9 Oct 1997 12:36:30 -0400 (EDT)
From: Michael Crestohl <mc@shore.net>
To: boatanchors@theporch.com, collins@listserv.tempe.gov
Subject: Replacing old capacitors with higher values???
Message-ID: <199710091636.MAA24323@northshore.shore.net>

Hello Everyone:

I have decided this winter to examine ALL my stuff and re-cap as needed. Most likely electrolytics will be prime candidates as well as those nice old Sprague "Black Beauties" and any paper/wax caps I may find. I plan on using Sprague "Orange Drops" wherever possible except in RF circuits.

Recently I posted a query to the COLLINS Reflector as to the source of electrolytics and an interesting thing came up that might be worthy of discussion.

I was always under the impression that the value of capacitors in certain application such as bypass and coupling were not critical provided they were higher than originally specified, so a .01 cap could be replaced by a .022, .047 or whatever was handy. With power supplies it was a bit more critical with capacitor-input filters than with choke-input filters. So I guess I want to query this forum on the subject of replacing capacitors with higher value than what was specified What circuits is it okay and how high can you go and what circuits is it not recommended?

73,

Mihael, W1RC
mc@shore.net

Date: Thu, 09 Oct 1997 11:32:34 -0500
From: "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RCA 45 tube at Ebay
Message-ID: <3.0.32.19971009113229.008aa100@postoffice.worldnet.att.net>

I just put a tube up for sale.
The URL is

<http://komodo.ebay2.com/aw-cgi/eBayISAPI.dll?ViewItem&item=956981>

Anybody want it?
The minimum is only \$10

bratcher@worldnet.att.net
Record collector, 8mm, super 8, 16 and 35mm Film collector.
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I like old radio's too.
Collins, Hallicrafters, National & Hammarlund are my Favorites!

Date: Thu, 09 Oct 1997 11:45:21 -0500
From: "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
To: boatanchors@theporch.com
Cc: boatanchors@listserv.tempe.gov
Subject: 6L6G tube at Ebay
Message-ID: <3.0.32.19971009114518.008a3330@postoffice.worldnet.att.net>

The URL is

<http://komodo.ebay2.com/aw-cgi/eBayISAPI.dll?ViewItem&item=957597>

Minimum bid is only \$5

Thats all I have other than the 45 tube I posted a little while ago.

bratcher@worldnet.att.net
Record collector, 8mm, super 8, 16 and 35mm Film collector.
Looking for prerecorded reel to reel tape albums.
I like old radio's too.
Collins, Hallicrafters, National & Hammarlund are my Favorites!

Date: Thu, 9 Oct 1997 12:48:28 -0400 (EDT)
From: Michael Crestohl <mc@shore.net>
To: boatanchors@theporch.com
Subject: New R-390 mailing list.....
Message-ID: <199710091648.MAA27986@northshore.shore.net>

Annoucing a new mailing list:

The R-390 Mailing List is for the discussion of the features, operating, troubleshooting, repair, maintenance, improvements and general lore related to the R-390 family of radio receivers which were developed for military and government applications. This group includes the R-390, R-390A, R-392 as well as their variants such as the R-389 and R-391. These radios were designed and developed by the Collins Radio Company of Cedar Rapids Iowa but were made by different manufacturers under various contracts spanning almost 35 years from 1950 to 1984.

The List administrators are concerned with the growth of speculators and profiteers which have been pervading the vintage radio hobby of late. Consequently we have adopted the following guidelines on a temporary basis in the hope that the abuses seen elsewhere will not occur here. FOR SALE, WANTED and SWAP postings by PRIVATE PARTIES are acceptable but

not encouraged due to the many other alternative outlets for that information. Furthermore, we request that such posts be limited to the equipment under discussion. Commercial postings, announcements and SPAM are NOT welcome. If in doubt of an article's suitability, DON'T POST IT and ASK!

It is hoped that all subscribers will contribute material to the R-390 List as it is the knowledge, wisdom and experience that will make this list a useful, informative and valuable resource.

The advisory board of the R-390 List are:

Co-administrators are Chuck Rippel, WA4HHG, and Michael Crestohl, W1RC.

Historical Advisor is Tom Marcotte, N5OFF.

To subscribe to the list you can send mail to:

majordomo@qth.net

with the following command in the body of your e-mail message:

subscribe r-390

Please address any questions to: crippel@exis-net
mc@shore.net

PLEASE include [R-390] in the Subject: line

Date: Thu, 9 Oct 1997 12:43:24 EDT
From: MNHopkins <MNHopkins@aol.com>
To: boatanchors@theporch.com
Subject: F/S/T Hallicrafters S-38-(), list free
Message-ID: <199710091657.LAA09307@sco.theporch.com>

My attic cleanout sweep missed this 1946 item. It is the first S-38, no suffix, with the real BFO instead of the regenerative wire. It is the smooth finish variation, with paint 90% of original, superficial rust at corners and clear lettering. An easy cleanup with both big knobs but all three generic plastic small knobs missing as is the bottom plate. It has nice dials and is clean inside with nothing broken, but signs latter day repair. It is untested for \$40 plus post from 75222 or trade for 6M items or Tecraft, ICM as below.

To keep the S-38's straight, here is a listing after Dachis:

S-38, 1946

S-38A 1946, 47

S-38B 1947-53

S-38C 1953-55 (first gray one, last two half mood dial Ramond Lowey designed panel)

S-38D 1955-57

S-38E 1957-61

73 de ab51, Michael Hopkins
Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

Student of Tecraft, International Crystal ham products and Six Meter's Golden Age:

1957-58

Date: Thu, 9 Oct 1997 12:59:10 -0700

From: "Mike B. Feher" <n4fs@monmouth.com>

To: <mc@shore.net>, "Old Tube Radios" <boatanchors@theporch.com>

Subject: Re: Replacing old capacitors with higher values???

Message-ID: <199710091653.MAA09406@shell.monmouth.com>

Mike -

In some cases it is OK to replace capacitors with higher values, but it still depends on application as a higher value capacitor can change the time constant or frequency response of the circuit. If a coupling capacitor was in series it would reduce the lower end but if it was in parallel to ground in a coupling circuit it would roll off the high frequencies much faster. In power supplies it is not as critical as the capacitor in conjunction with the filter choke or resistor forms a low pass filter. Since you are only interested in passing DC, the lower cutoff would seem not to have any adverse effects. Although lowering the cutoff way below 60 HZ does not buy you anything and it winds up using larger components. On the other hand there are practical limits. Increasing filter capacitor values increases the initial inrush current amount and duration and could damage your on/off switch or rectifiers. Additionally higher value electrolytics have a higher leakage current for a given voltage. So they would dissipate power in the form of heat which makes the capacitors have a

regenerative effect in that the hotter they get the more current they draw, again with the danger of damage to rectifiers or even the transformer. So, the bottom line is use some common sense and Ohms Law.

73s - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

> From: Michael Crestohl <mc@shore.net>
> To: Old Tube Radios <boatanchors@theporch.com>
> Subject: Replacing old capacitors with higher values???
> Date: Thursday, October 09, 1997 9:36 AM
>
> Hello Everyone:
>
> I have decided this winter to examine ALL my stuff and re-cap as needed.
> Most likely electrolytics will be prime candidates as well as those
> nice old Sprague "Black Beauties" and any paper/wax caps I may find.
> I plan on using Sprague "Orange Drops" wherever possible except
> in RF circuits.
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> electrolytics and an interesting thing came up that might be worthy of
> discussion.
>
> I was always under the impression that the value of capacitors in certain
> application such as bypass and coupling were not critical provided they
> were higher than originally specified, so a .01 cap could be replaced
> by a .022, .047 or whatever was handy. With power supplies it was
> a bit more critical with capacitor-input filters than with choke-input
> filters. So I guess I want to query this forum on the subject of
> replacing capacitors with higher value than what was specified
> What circuits is it okay and how high can you go and what circuits is
> it not recommended?
>
> 73,
>
> Mihael, W1RC
> mc@shore.net

Date: Thu, 09 Oct 1997 12:01:45 -0500
From: bdhall@ghg.net (Benjamin D. Hall)

To: mc@shore.net, Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Replacing old capacitors with higher values???
Message-ID: <3.0.32.19971009115858.006f31f8@mailman.ghgcorp.com>

>So I guess I want to query this forum on the subject of
>replacing capacitors with higher value than what was specified

Hi Michael and list - one of the things that I have kept in mind when replacing caps is the tolerance of the original capacitors. If I remember correctly, some of the old electrolytics had tolerances of -20% to +100% of rated value, so I don't feel the least bit concerned replacing say, an 8 uF electrolytic with a 10 uF unit. (and I don't feel bad about replacing a 4 uF unit, a B- DC filter in my National RCP, with a 10 uF unit)

The other thing that you can consider is that cost played a role in the design of these sets, and bigger caps were more expensive, so you may find that a bigger capacitor will improve performance. Of course, the bigger capacitor may also cause other problems with the power supply, so you need to be careful.

I'd really like to see comments from the experts on this... Hank? Larry? Stan? Bobbi? Barry?

Thanks and 73,
Ben

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator
extraordinaire. Located in Houston, Texas, USA.
e-mail: BDHall@ghg.net web:<http://www.ghgcorp.com/bdhall>

Date: Thu, 09 Oct 1997 11:34:24 -0600 (MDT)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
To: Jeff Anderson <jeffa@ix.netcom.com>
Cc: boatanchors <boatanchors@sco.theporch.com>
Subject: Re: BA Haunts in Calgary?
Message-ID:
<Pine.PMDF.3.95.971009113216.541090930A-100000@devax.admin.athabascau.ca>

If you catch wind of any haunts in Cow Town I would like to hear about them, my visits there have never turned up any...

But, if you are driving North or have a car while in Calgary then stop in Nanton (about an hour south of Cow Town) and see their restored Lancaster and other Canadian warbirds.

Richard Loken VE6BSV, Systems Programmer - VMS

Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Date: Thu, 9 Oct 1997 14:03:26 -0400
From: John Shriver <jas@shiva.com>
To: Michael Crestohl <mc@shore.net>
Cc: boatanchors@theporch.com
Subject: Re: Replacing old capacitors with higher values???
Message-ID: <199710091803.0AA05349@brill.shiva.com>

Well, as others have said, it depends.

Inside a negative feedback loop, do not mess with the values of capacitors. Changing them can mess up the feedback stability. "Amplifiers oscillate, and oscillators amplify."

Also, remember that a power supply can be a negative feedback loop. If the filter capacitors aren't enough larger than the coupling capacitors, things can go wild. Again, "amplifiers oscillate, and oscillators amplify."

For RF bypasses, a larger capacitor may be far less of a capacitor at the necessary frequency. Every capacitor has a frequency at which it stops behaving as a capacitor (decreasing reactance with frequency) and becomes an inductor (increasing reactance with frequency). I've seen modern applications where ceramic caps were chosen for minimum reactance at the frequency to be attenuated.

Any capacitor that is part of a frequency response shaping network (say FM de-emphasis) needs to remain the same.

Obviously, the bypass cap on the AGC line will affect the AGC time constant. Oh, the AGC loop is negative feedback. If you get the low-frequency response too good, then the AGC will push through it, and "amplifiers oscillate, and oscillators amplify."

Date: Thu, 09 Oct 1997 11:13:20 -0700
From: Scott Robinson <spr@earthlink.net>
To: mc@shore.net
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Replacing old capacitors with higher values???
Message-ID: <343D1EC0.227A40FA@earthlink.net>

Folks,

The main electrolytic capacitor whose value cannot be increased without care is the input filter cap in a capacitor input power supply filter.

Larger caps mean larger peak current in the rectifier, and even tube rectifiers have peak current limits. The tube manual suggests maximum values of input filter cap (assuming +100% toleranc, no doubt) and I wouldn't exceed them by much. After the first choke or resistor, larger values are a good thing generally.

--

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Date: Thu, 9 Oct 1997 14:30:29 -0500 (CDT)
From: Steven@ix.netcom.com
To: boatanchors@theporch.com
Subject: WTB Hammarlund HQ180A
Message-ID: <1997109143049541@ix.netcom.com>

A fellow ham asked me to post his desire to purchase a near mint or mint Hammarlund HQ180A receiver.

Please call Bob Gustafson KD9GI phone (815)332-9520

He will travel to see and inspect. Distance didn't seem to be a problem for him. He is prepared to pay a current market price for a receiver in excellent condition.

73 to all....

ps please call to Bob, not me, at the above phone number!

Date: Thu, 9 Oct 1997 15:47:15 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 2nd call for contract data and National manuals
Message-ID: <Pine.GS0.3.96.971009152720.19544A-100000@titan.purch.ans.net>

```
> Which one do you have?
> And what contract codes are on it?
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(on one tag):

RAO-7 Radio Receiving Equipment; National NXsr-38306 #444
CNA-46233 Radio Receiver; National NXsr-38306 #444

This radio used to be my main receiver, but others (RAL, RBB) quickly displaced it. It is the "other" type, with a chassis that slides out the front, much like the true Navy designs.

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> If you would be kind enough to drop me a line with the following
> in it; You would be greatly aiding completeness of my records, and
> thus helping to preserve the history of these fine radios. I hope to
> publish the information someday, and at the least the summary
> information will be available on a web page when it is completed.
```

Somewhere I have a manual for, I think, an RA0-5. It is a decent manual, but has one flaw that you would like but I am sure the government did not: It has some details about the contract, including HOW MANY WERE MADE.

I wonder how many people got fired for that blunder.

> RAO-1 to -9 X (1-5,8,9) I have 6-7

I do not think there was an RAO-8. It does not show up in directories.

Esoteria: National did not invert the sliding coil tray ("catacomb") completely. The U.S. Navy RAB series (and maybe the RAA, but I have never seen one of those) of the late 1920s used a very similar approach, but opposite. The coils are fixed in place, each sheilded from the other, and the chassis moves over the coils. The chassis itself is a marvel of aluminum casting, much like a catacomb, with a shaped compartment for each of the tubes. Like the Nationals, the RCA receivers requires the operator to turn a knob (actually two cranks) to switch bands. The National people, I think, took this idea and made it reasonable by inverting it.

William Donzelli
william@ans.net

Date: Thu, 9 Oct 97 16:33:12 EDT
From: w2ec@VNET.IBM.COM
To: boatanchors@sco.theporch.com

Subject: Best all around BA SSB Rcvr/Xmtr
Message-ID: <199710092034.PAA14277@sco.theporch.com>

I am not a true "till death do we part" BA fanatic. By that I mean I am not enlarging my house so I can have more BA's, but limiting my BA's to the space I have available. At this point I have plenty of vintage AM gear and my Collins S-line stuff for SSB. But the Collins is too light weight, what I am missing is a good heavy ham band only SSB receiver and transmitter.

I would like to ask list members to send me your choice for the best all-around BA Rcvr and Xmtr. If your choice is the Collins 75A-4 and KWS-1, please list an alternate choice since most of the ones I've looked at are out of my budget range!

PLEASE DO NOT POST DIRECT TO THE BA LIST. I will tabulate the results after it looks like most suggestions have tapered off, maybe a week or so. All I really need is the make and model of each. If you want to add your reasons as well, thats fine.

Thanks & 73, Ray W2EC w2ec@ibm.net or w2ec@vnet.ibm.com

Date: Thu, 9 Oct 1997 17:01:19 -0400
From: don merz <71333.144@compuserve.com>
To: boatanchors@theporch.com
Subject: Sliding-Coils & National
Message-ID: <199710091709_MC2-2364-3AAB@compuserve.com>

Regarding larry's research into the National sliding coil radios, I am pretty sure that National was not expressing much if any originality in their design. I can't point to any specific references but as I recall from my ealier reading of various 20's and 30's publication, coil changing was being attempted all over the place by many manufacturers as a means of innovating and upgrading their products. I think several came very close to the design that national eventually ended up with.

Does anyone recall any specific manufacturers who went down this path?

73, Don

Date: Thu, 9 Oct 1997 16:02:24 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: RSOLOMON@systems.TEXTRON.COM
Cc: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: WTD: Product Detector for SP-600

Message-ID: <Pine.BSF.3.95.971009155933.14211F-100000@piobaire.mines.uidaho.edu>

On Thu, 9 Oct 1997 RSOLOMON@systems.TEXTRON.COM wrote:

> Looking to add a product detector to my SP-600-JX17, why I
> don't now, but it seems the thing to do !!
> Would rather not go the HC-10 or CV-(whatever) route, too
> big and heavy. Looking for a plug-in module, most likely made
> for some other radio, that I can modify to use on the SP.
> Anyone have one out there, or ideas on building one ??

For my R-390 (non-A) I used one-half of a 12AX7 which originally fed the IF output to the jack on the back for external RTTY and SSB converters. I used a simple triode product-detector circuit and mounted it so that it could be easily removed. The increase in apparent signal to noise ratio was amazing. Further, it works on AM also and doesn't need to be switched out for AM.

The only other mod I need to do to the 390 is something to make the AGC work properly.

Ken W7EKB

Date: Thu, 9 Oct 1997 16:14:49 -0700 (PDT)

From: Ken Gordon <keng@uidaho.edu>

To: Leon Wiltsey <leeboo@ct.net>

Cc: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: power supply needed

Message-ID: <Pine.BSF.3.95.971009160649.14211I-100000@piobaire.mines.uidaho.edu>

On Thu, 9 Oct 1997, Leon Wiltsey wrote:

> Hi Gang
> just bought a Heath sb100 and found out it needs an external
> power supply.. Does anyone have one to sell or a home brew
> one that will do the job. If I can not find one, I guess I will have to
> build one and power trans that will handle a transceiver that puts
> out 170 watts will be difficult(let alone costly)

NO!!! This is NOT the case!!!! Find an old console TV set and remove the transformer. It will provide you every thing you need. Use a full-wave bridge rectifier across the complete high-voltage secondary. That will provide you with at least 750 VDC, use the center-tap as your source of

325 VDC. Put a 110to6.3 vac transformer across the 5 vac rectifier winding or the 6.3 vac filament winding and use the 110 vac side as your source for bias voltage. Rectify it with either a FW or 1/2 W rectifier, filter and viola, bias voltage. Series the 5 volt and 6.3 volt windings to provide your 12 VAC for filaments, or get another 110 to 6.3 vac transformer and put its output in series with the big transformer filament winding for 13.2 VAC. Put it all in a box. Shouldn't cost you more than about \$25.00.

The last console TV I got was GIVEN to me. This about a month ago.

Ken W7EKB

End of BOATANCHORS Digest 1722
